1 After the locale is selected, a type is selected (Step 170). The type may include 2 standard (auto), pedestrian, aircraft, bicycle, etc. Other types may be defined. 3 After the type is specified, an accuracy level is selected (Step 172). Levels may 4 be specified in general terms (e.g., "high", "medium" or "low") or specific terms (e.g., 1 5 meter, 5 meter, 100 meter). 6 Once the locale, type, and accuracy levels are specified, data are retrieved from 7 the master geographic database 100 that match the specified criteria (Step 173). For example, a spatial query is used to identify and retrieve data records that represent 8 9 geographic features located in the specified locale. Similarly, other queries are used to 10 limit the retrieved data to only those records of the specified type and accuracy. 11 Once the data that meet the specified criteria have been obtained from the master 12 database 100, the data are organized into an appropriate format (Step 174). This may include compiling the data into a format in which it can be accessed and used in a 13 14 computer game running on a given hardware platform. This process may include the 15 formation of new types of data, the addition of indexes, parcelization, spatial organization 16 and compression. Processes for forming a compiled database product are described in U.S. Pat. Nos. 5,974,419, 5,953,722, 5,968,109 and 6,047,280, the entire disclosures of 17 which are incorporated by reference herein. 18 19 (In addition to including map database products that represent actual, real world locales, the map products inventory may include map products that represent imaginary 20 21 locales. These imaginary locales may be produced using the embodiments described in 22 the copending application entitled "GEOGRAPHIC AREA TEMPLATES FOR COMPUTER GAMES", Attorney Docket No. No. No. 186US, the entire disclosure of which 23 Change(s) applied is incorporated by reference herein.) Referring again to Figure 3, the game factory system 150 also includes the road 25 models inventory 178. The road models inventory 178 includes a plurality of road model 26 27 databases. The data in the road model databases include representations used for visual 28 appearance and rendering of road-related things, such as road colors, road pavement, lane stripes, curbs, sidewalks, signs, lampposts, lane dividers, traffic signals, speed bumps, 29 crosswalks, and so on. When forming a computer game, these road model 30

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representations are associated with the data representation of the road network obtained

Change(s) app to document, /D.A.M./ 5/4/2011	1 2	COMPUTER GAME DEVELOPMENT FACTORY SYSTEM AND METHOD
	3	REFERENCE TO RELATED APPLICATIONS
	4	The present application is related to copending patent applications entitled
	5	"METHOD AND SYSTEM FOR USING GEOGRAHIC DATA IN COMPUTER
	6	GAME DEVELOPMENT" Attorney Docket No. N0184US, "APPLICATION
	7	PROGRAMMING INTERFACE FOR GEOGRAPHIC DATA IN COMPUTER
	8	GAMES", Attorney Docket No. No185US, and "GEOGRAPHIC AREA TEMPLATES
	9	FOR COMPUTER GAMES", Attorney Docket No. N0186US, the entire disclosures of
	10	which are incorporated by reference herein.
	11	
	12	BACKGROUND OF THE INVENTION
	13	The present invention relates to a system and method that facilitate development
	14	of computer games and more particularly, a system and method that facilitate
	15	development of computer games that include representations of geographic areas,
	16	including such features as the road networks in the geographic areas.
	17	Computer games have developed in sophistication and commercial importance.
	18	Improvements in computer hardware and software have enabled computer games to
	19	provide realistic graphics and sound. With these advances, computer game users have
	20	come to expect that games meet high standards for richness and attention to detail. Some
	21	computer games, such as road race games, represent real world places as part of the
	22	playing scenarios of the games. With these types of games, users expect convincing
	23	depictions of the real world with attention to accuracy and detail.
	24	Computer game developers have recognized the need to provide realistic
	25	depictions of actual real world places in computer games. This has placed a burden on
	26	computer game developers to obtain the data needed to portray geographic places with
	27	realistic detail and accuracy. The collection of such detailed geographic data about real